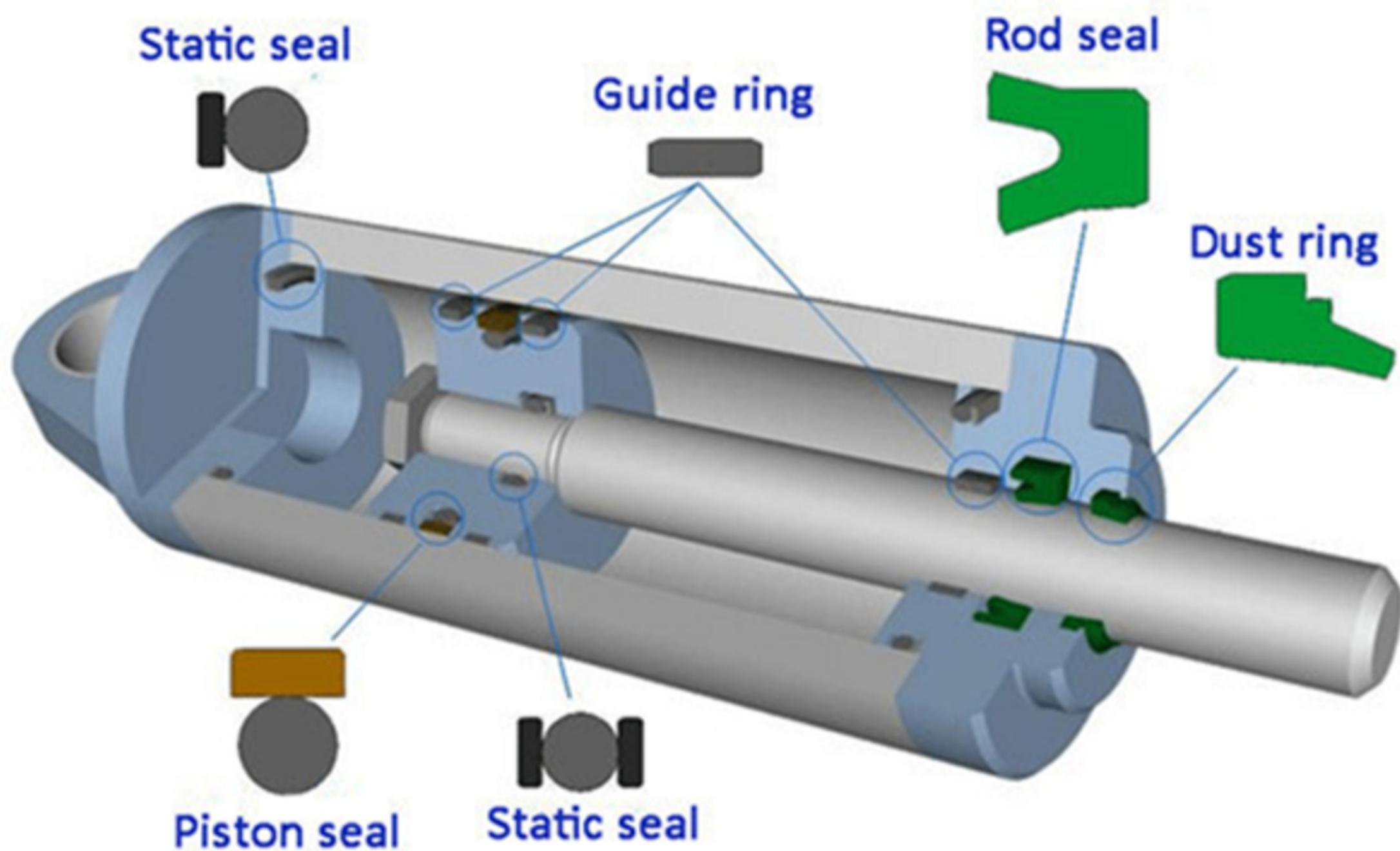




AAR SEALS LLP

CRAFTING CUSTOMIZED QUALITY SEALS JUST IN TIME



Address: 38/2, Ramtekadi Industrial Estate,
Hadapsar, Pune -411013

Email Id: marketing@aarseals.com

Contact: 9522220061 / 7558624837

AAR Seals specializes in the manufacture and supply of precision hydraulic and pneumatic seals for diverse applications, delivering Quality, Reliable and Fast Solutions with **SEALS IN TIME**. Leveraging technical expertise from Austria, AAR Seals utilizes state-of-the-art CNC-controlled machines combined with proprietary software and cutting tools specially designed to machine various polymers such as **HPU, NBR, Viton, POM, PEEK, PTFE, BFT, GFT**, etc.

Product Range & Offerings Include:

AAR has the capability to produce customized reciprocating, rotating and static seals tailored to customer specific application needs.

Hydraulic Seals: Rod, Piston and Wiper Seals, Buffer Seals, Guide rings, Backup Rings, and Gland packings/Chevron Packings replacements.

Rotary Seals: For grease and oil applications.

Static Seals: This Includes O-rings, Quad Rings and advanced designs for improved performance.


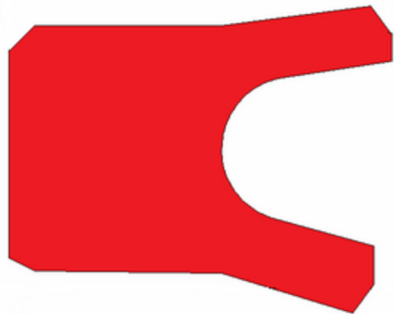
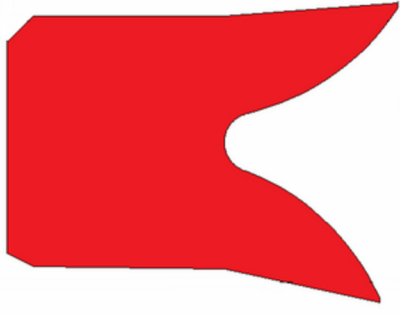

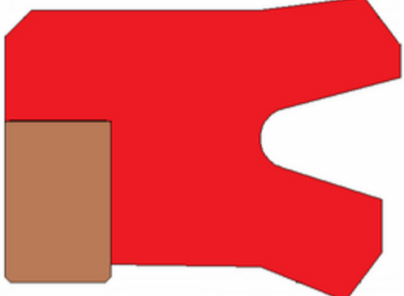


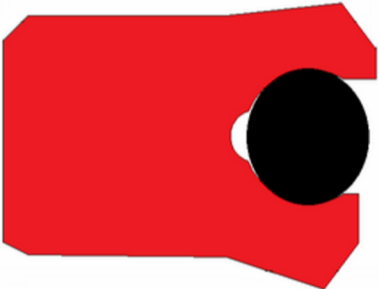
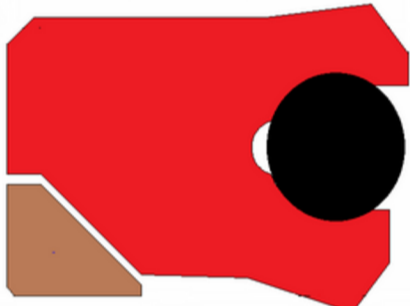



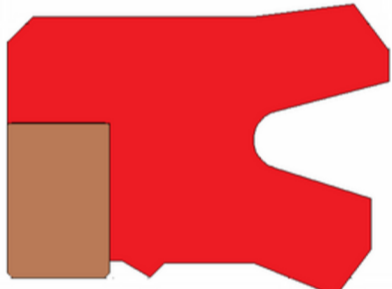

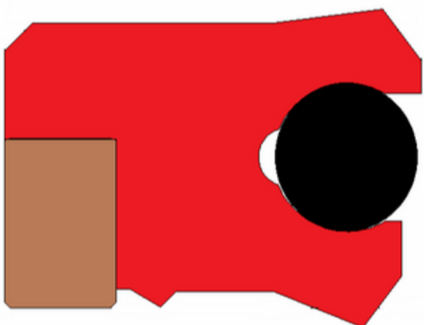




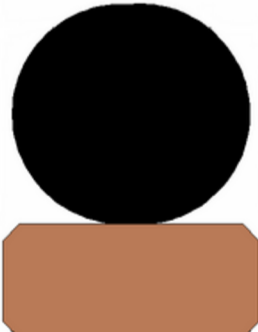
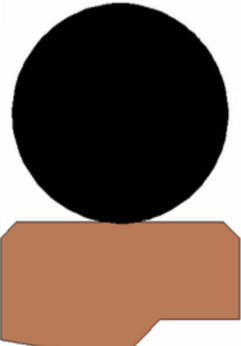
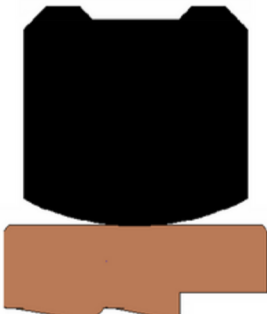
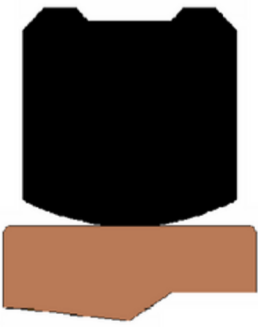
Custom Made Rubber/PTFE products: Rubber Gaskets, Diaphragms, Bellows, Specially designed PTFE Seals and many other PTFE products.


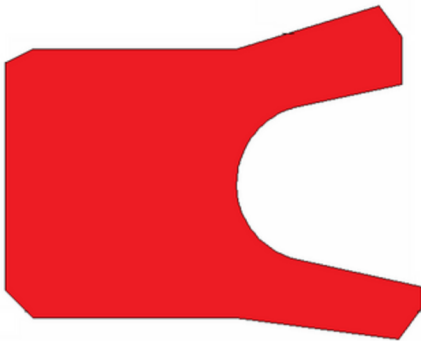
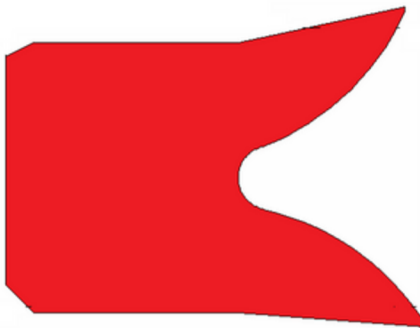

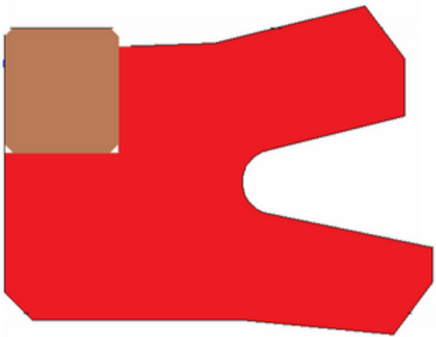
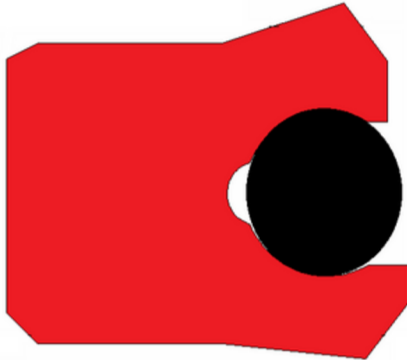
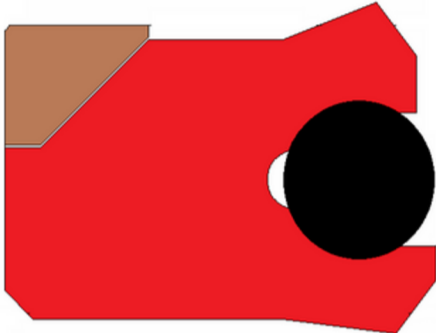

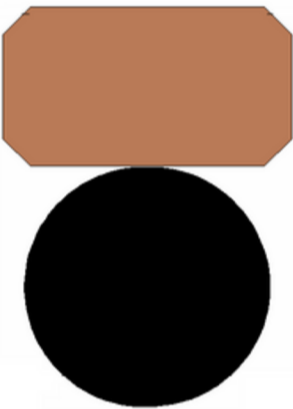
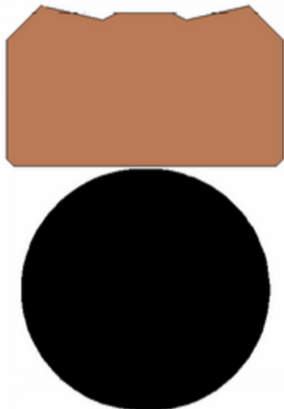
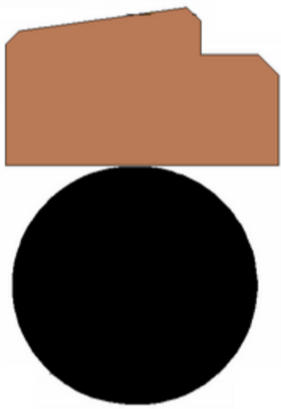
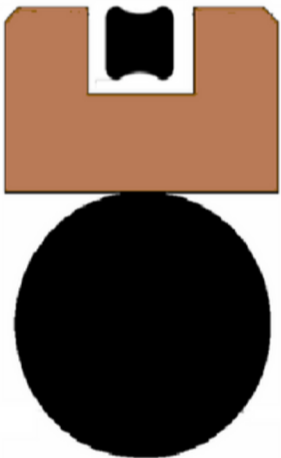
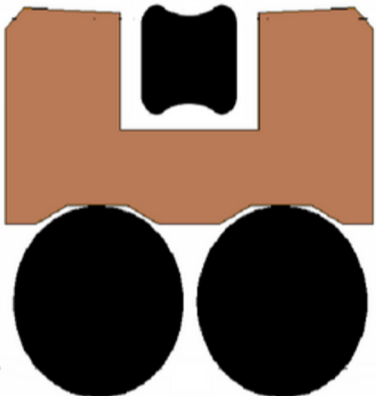
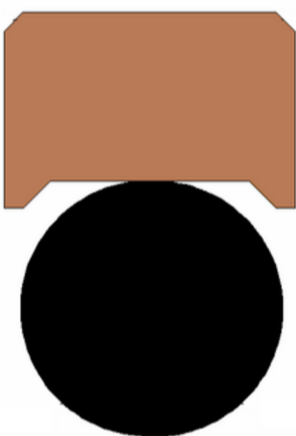
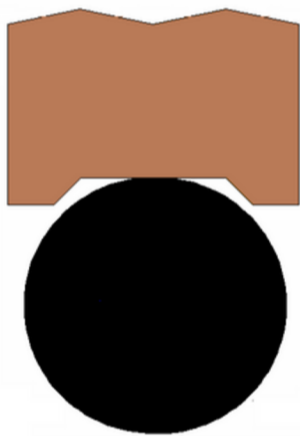

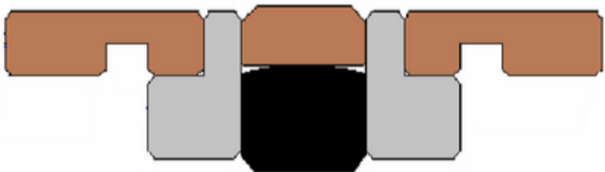


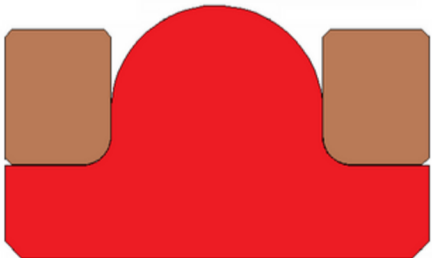


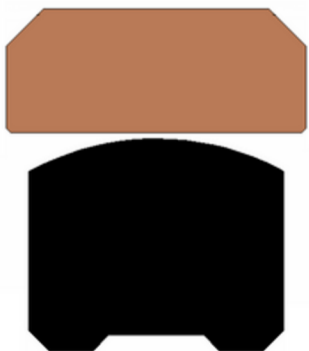
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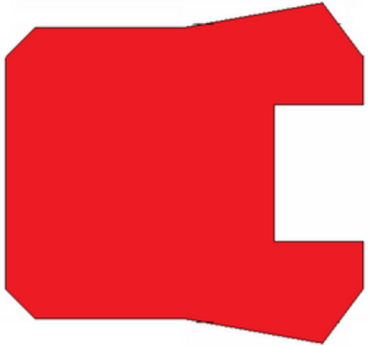
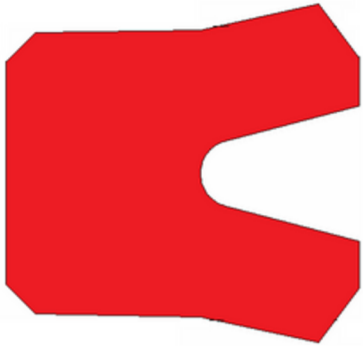




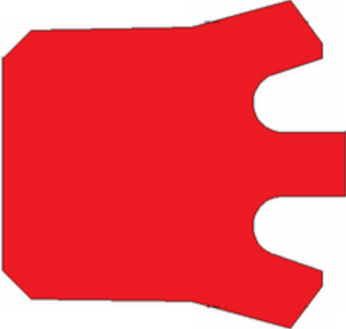
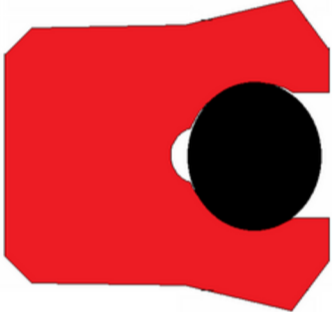
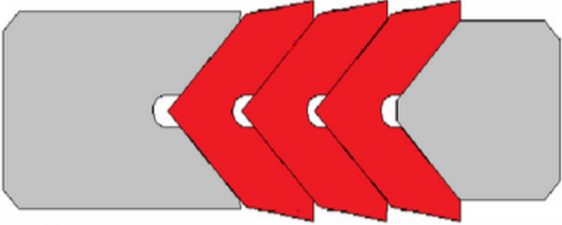
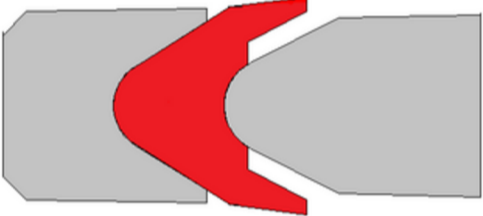
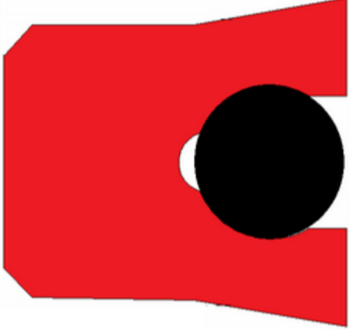
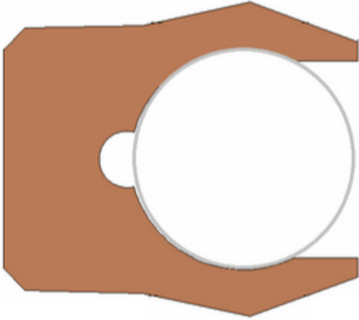
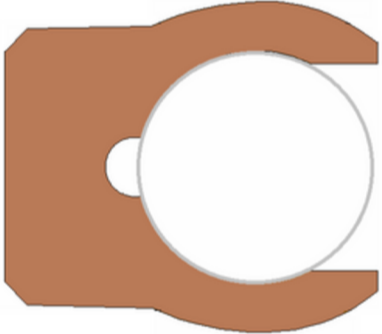
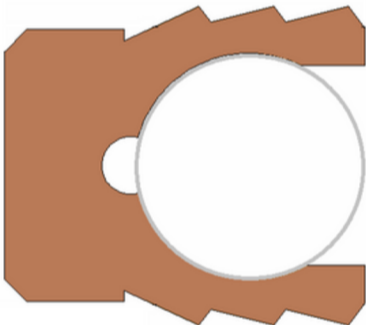
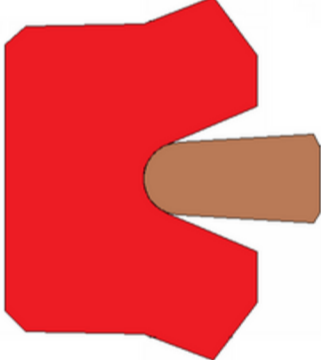
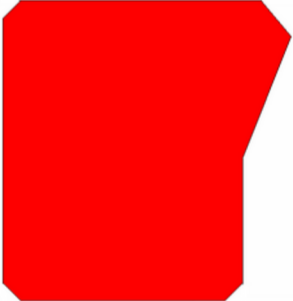
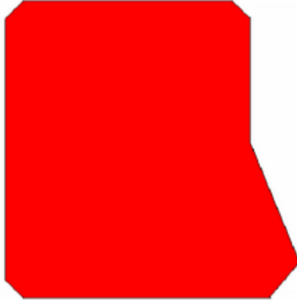
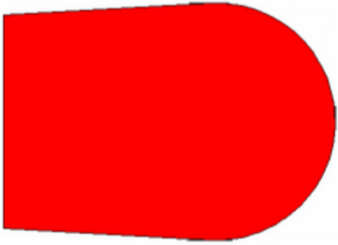
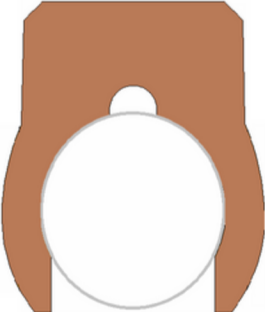
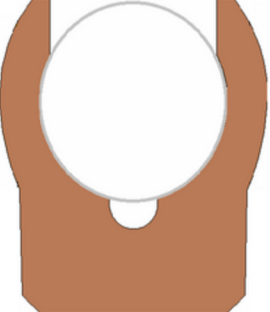
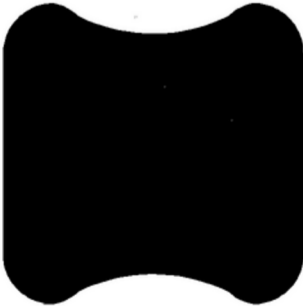
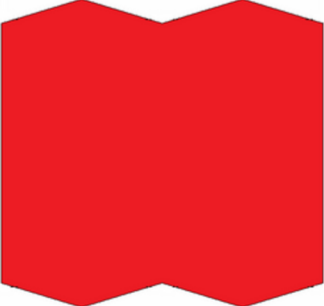
AAR's CNC production system ensures rapid turnaround, cutting seals from preformed polymer tubes without tooling costs, and enabling on-demand production from a single piece to batches of several thousand. While normal lead times range from 4 to 5 days, rush orders for seals from **2.5 to 850 mm dia** can often be shipped within the same day and **above 850 mm** dia can be shipped within a very short time.



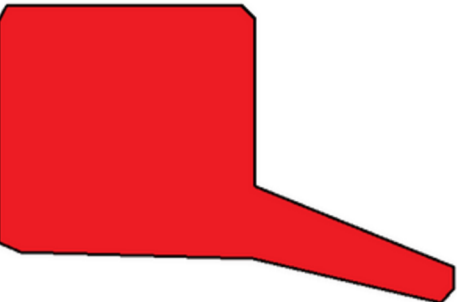
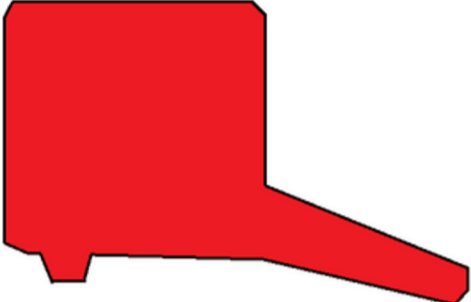
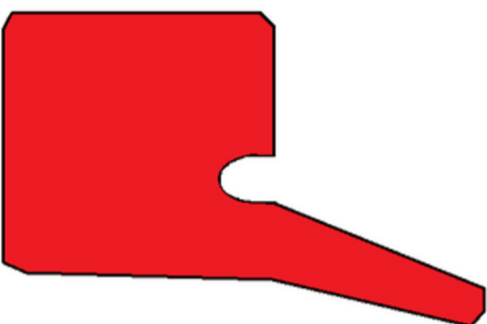
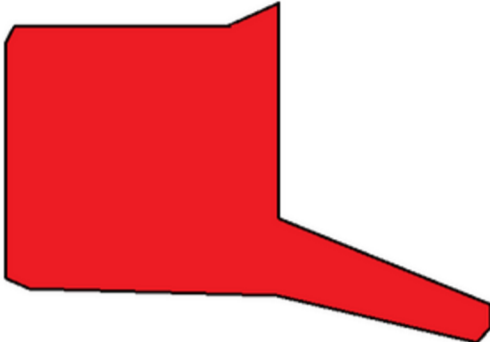

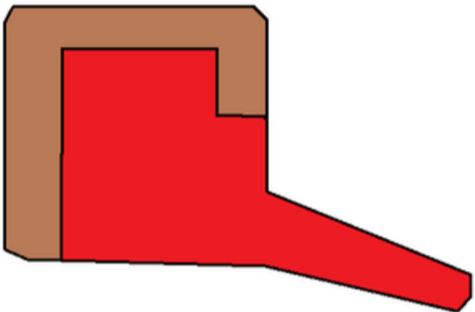
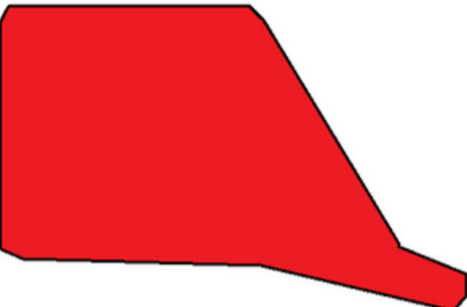

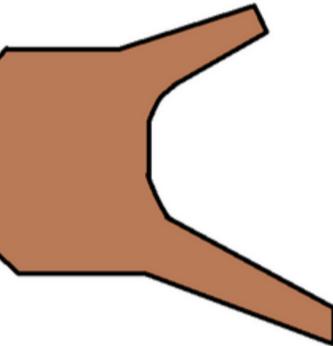




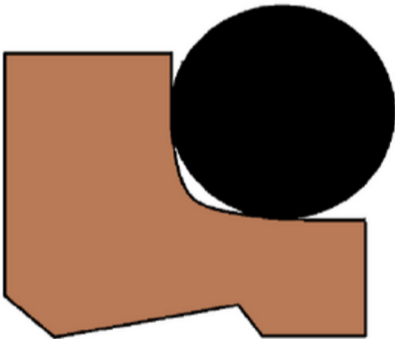
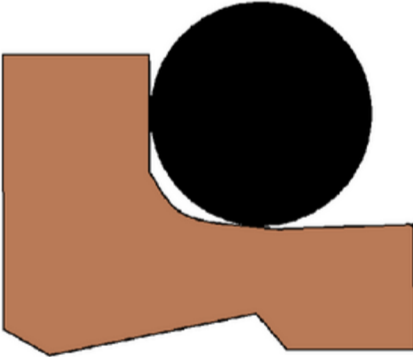
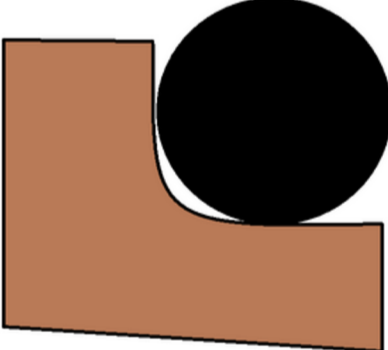
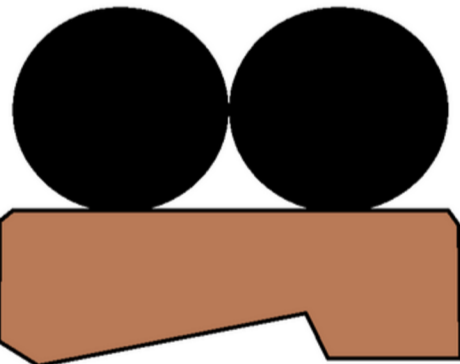
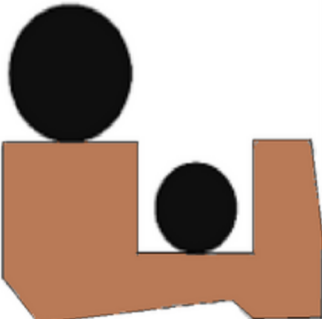
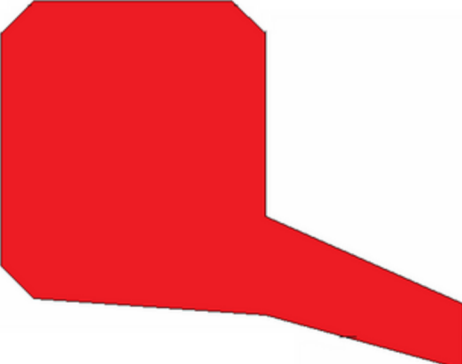

Contact Us




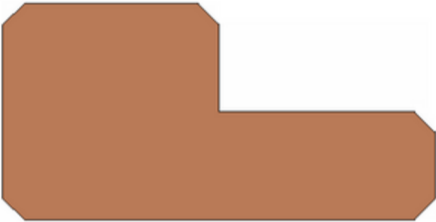



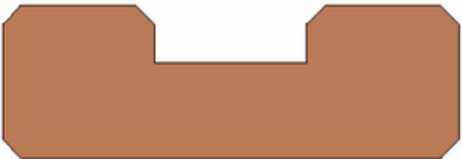
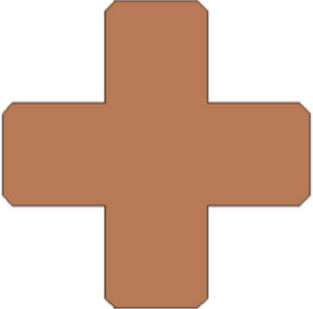



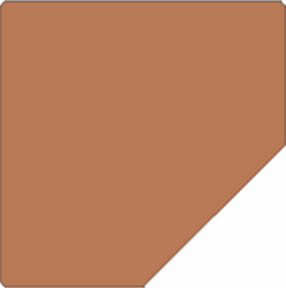
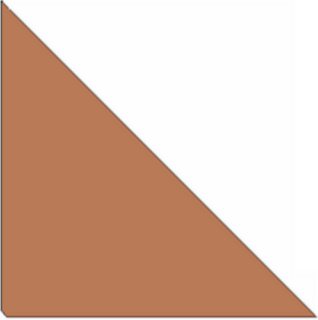


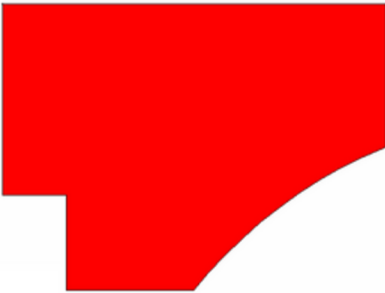

For inquiries or to discuss custom sealing solutions, please reach out to AAR Seals. We look forward to providing **SEALS IN TIME**, tailored precisely to your specifications

ROD SEALS			
	RS01	RS01A	RS01B
			
RS02	RS02A	RS02B	RS02C
			
RS03	RS04	RS05	RS08
			
RS17	RS17A	RS17B	RS17C
			
RS17D	RS20	RS35	RS16
			
RS09A	RS09B	RS91	RS91A

PISTON SEALS			
	PS01	PS01A	PS01B
			
PS02	PS02B	PS03	PS04
			
PS05	PS08	PS08A	PS08B
			
PS08C	PS08D	PS08E	PS08F
			
PS09	PS09A	PS16	PS17
			
PS20	PS23	PS35	PS81

ROD/ PISTON SEALS			
	P58	PRS06	PRS06A
			
PRS06B	PRS06C	PRS06D	PRS06E
			
PRS07	PRS10-12	PRS13-15	PRS18
			
PRS19B	PRS19C	PRS19D	PRS22
STATIC SEALS			
	FL01A	FL02B	FL03
			
FL06	FL07	QR01	SS01

WIPER SEALS			
	WR01	WR01A	WR02
			
WR02A	WR02B	WR02C	WR02D
			
WR03	WR04	WR07	WR08
			
WR11	WR12	WR17	WR18
			
WR13	WR13_E2	WR14	WR15
ADDITIONAL SEALS			
	WR16	W50	W51

GUIDE RINGS			
	BWR01	BWR01A	BWR03
			
BWR04	BWR05	BWR06	BWR07
			
BWR08	BWR09		
BACKUP RINGS			
	BUR08	BUR09	BUR10
			
BUR11	BUR12	BUR13	
ADDITIONAL SEALS			
	BV01	BV02	SP01



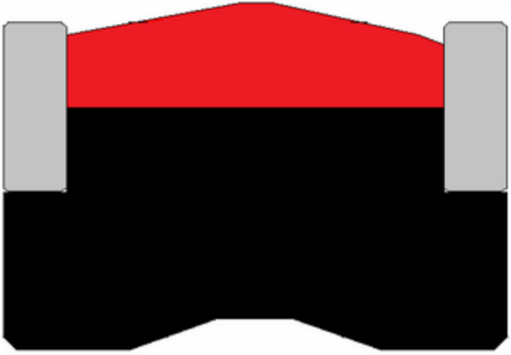
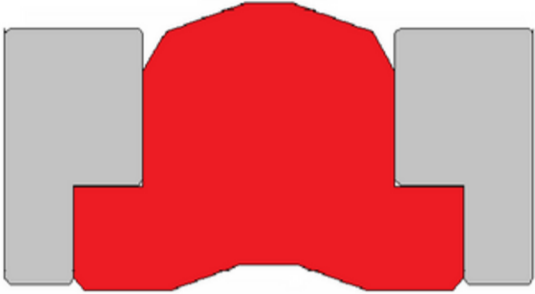
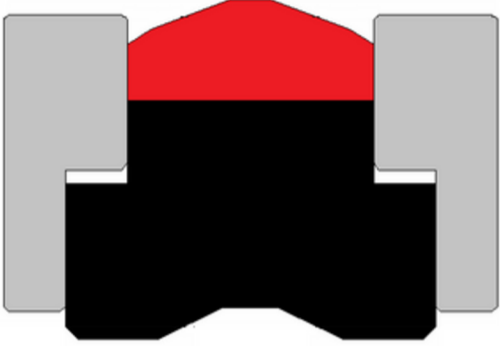


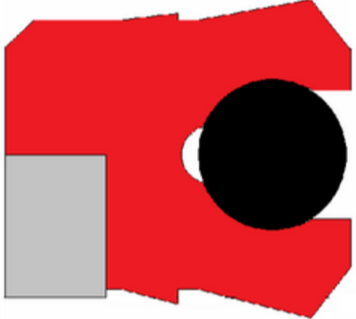
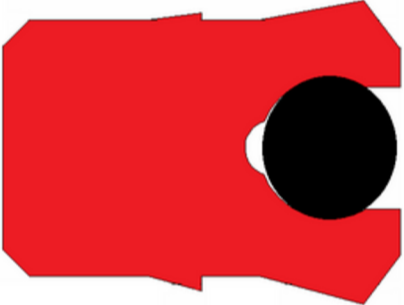



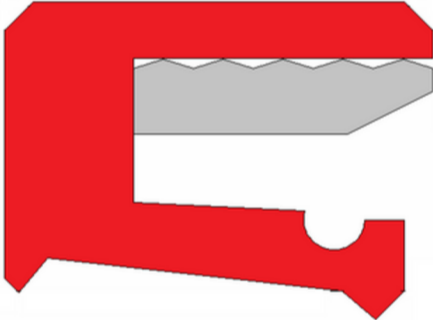


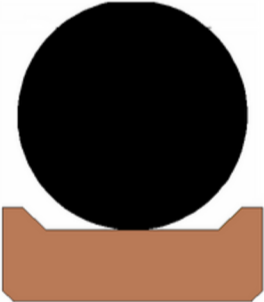
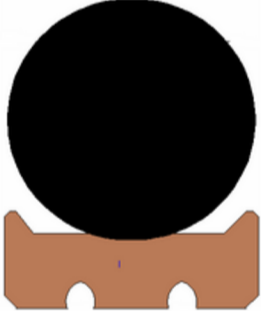
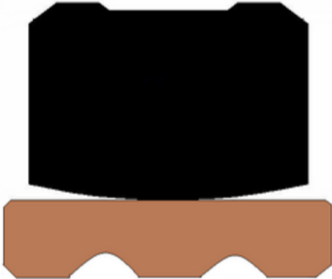
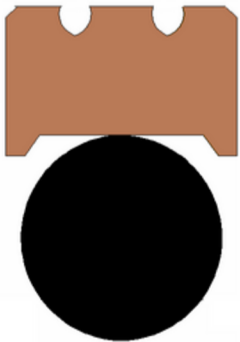
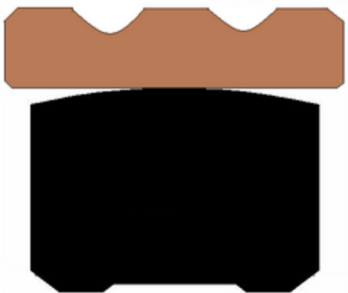
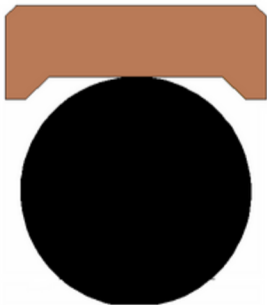

MINING SEALS			
	P50	P50A	P51
			
P52	P53	P54	P55
			
R50	R51	R52	R53
ROTARY SEALS			
	OS01	OS02	R04
			
R05	R08	R09	R09A
			
R10	R10A	R11	VR06

TABLE OF MATERIALS

Material	Colour	Application Temp.	Hardness. at 20°C	Main application
HPU Red		-30 to +105°C	Shore A 95 +/-2	U-rings, wiper rings and other seal elements Mineral oil, compressed air, water Resistant against hydrolysis
NBR Black		-25 to +100°C	Shore A 85 +/-5	U-rings, wiper rings and other seal elements Mineral oil, compressed air, water For Pneumatic applications
VITON Brown		-20 to +210°C	Shore A 85 +/-5	U-rings, wiper rings and other seal elements High temperatures and aggressive media
CAST NYLON		-60 to +100°C		Back-up and guide rings, machined parts
PTFE White		-200 to +260°C	Shore D 51 – 65	Spring loaded seals Back-up and guide rings, low friction For food industry, excellent chemical resistance
PTFE (BRONZE)		-200 to +260°C	Shore D 62 – 67	Composite seals with elastomer preload elements, spring loaded seals Back-up and guide rings, low friction
PEEK Beige		-50 to +250°C	Shore D 90	Composite seals with elastomer preload elements, Spring loaded seals Back-up and guide rings, high precision parts.

Dimensions of the Installation space for O-rings

Cross Section	Groove Depth	Without Back up Ring	One Back up Ring	Two Back up Ring	Recommended Back Up ring Thickness
1,50	1,10	2,1	3,1	4,1	1,0
1,78	1,35	2,5	3,5	4,5	1,0
2,00	1,56	2,7	4,2	5,7	1,5
2,50	2,05	3,3	4,8	6,3	1,5
2,62	2,18	3,5	5,0	6,5	1,5
3,00	2,52	3,9	5,4	6,9	1,5
3,50	3,00	4,4	5,9	7,4	1,5
3,53	3,00	4,4	5,9	7,4	1,5
4,00	3,40	5,0	6,7	8,4	1,7
5,00	4,25	6,3	8,0	9,7	1,7
5,33	4,53	6,7	8,4	10,1	1,7
5,70	4,85	7,1	9,1	11,1	2,0
6,00	5,10	7,5	9,5	11,5	2,0
6,99	5,94	8,8	10,8	12,8	2,0
7,00	5,95	8,8	10,8	12,8	2,0
8,00	6,80	10,0	12,5	15,0	2,5

